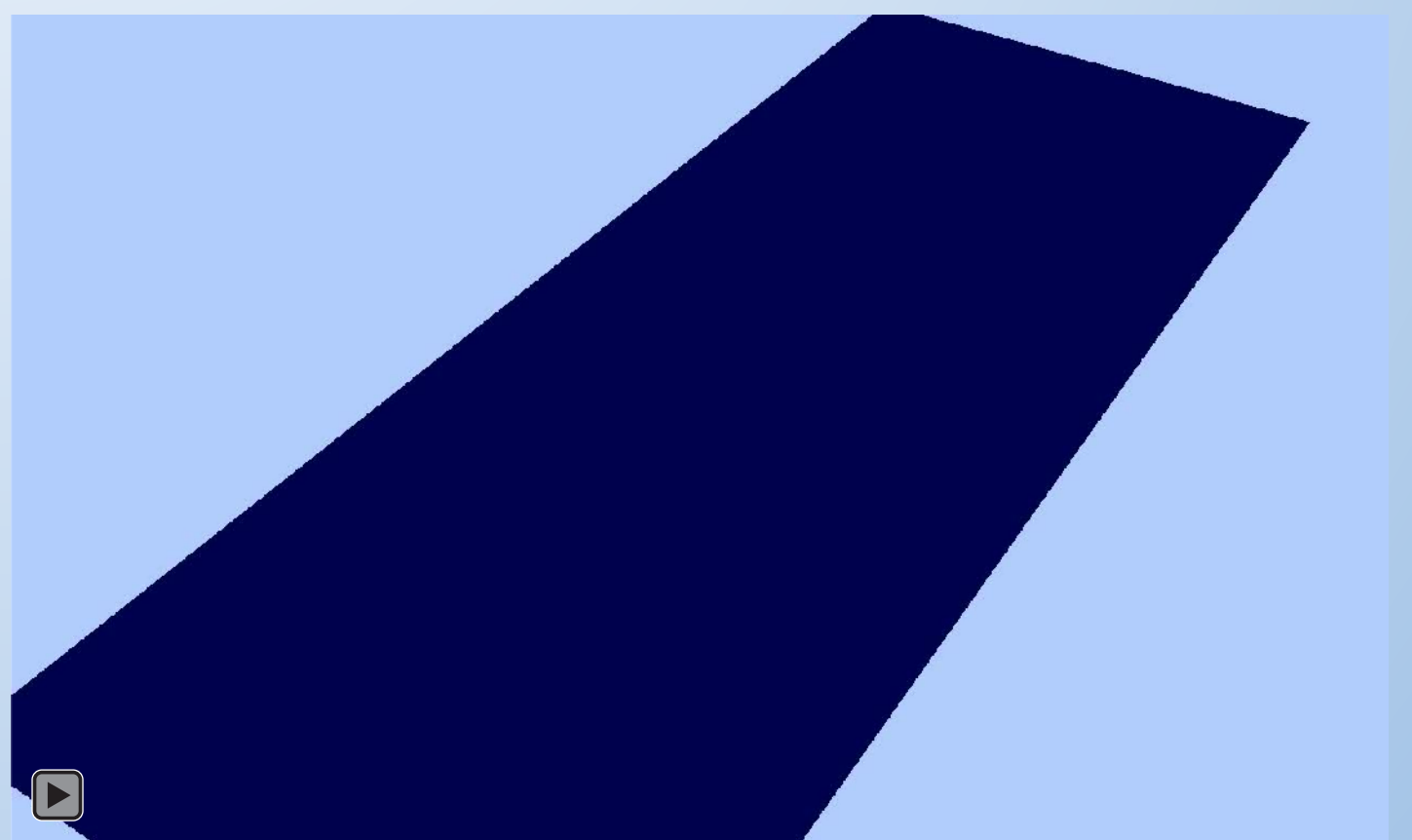
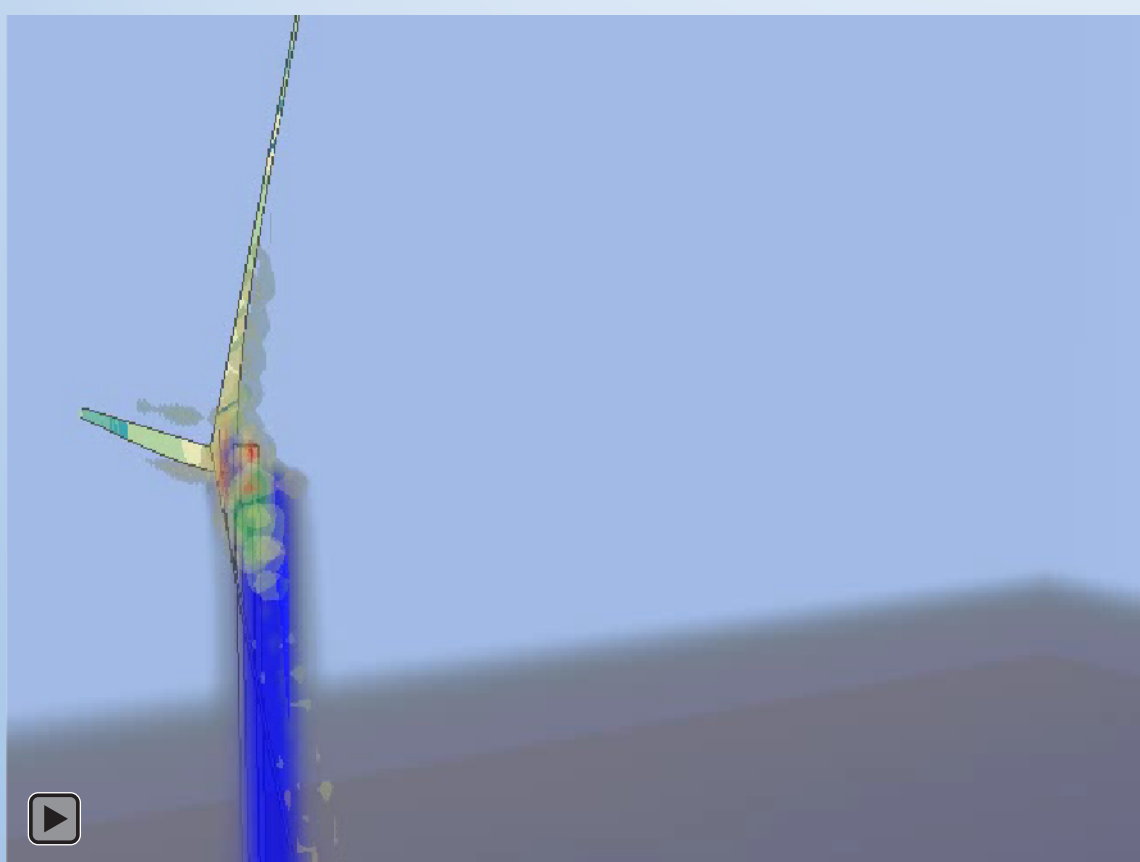


WindBlade: Wind Turbine Model

WindBlade is patented software that models two-way interactions between wind turbines and the atmosphere.

This tool enables us to investigate the effect of atmospheric turbulence and turbine-to-turbine interactions, which are critical in wind farm performance.



WindBlade simulations (above left and right) and a photograph of Horns Rev offshore wind farm in Denmark (below). Fog shows turbulent flow structure behind turbines; performance of downwind turbines are affected by this turbine-induced turbulent flow.

